

Notice of Allowability

Application No.

09/990,496

Examiner

Duc C. Ho

Applicant(s)

OATES ET AL.

Art Unit

2665

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 10-28-05.
2. ☒ The allowed claim(s) is/are 1, 2, 14, 3-4, 11-13, 5-10, 15-24, 27, 26, 28-29, 25, 30-34, 36, 35, 37-50, 52, 51, 53-57, 60, 59, 61-62, 58, 63-64. Renumbered 1-64, respectively.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 03-21-02
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

Reason for Allowance

1. Regarding claims 1-32, the prior art fails to teach or suggest a channelizing receiver, the channelizing receiver includes a plurality of channel receivers, each channel receiver comprising a channel to channel arbitration unit for receiving the magnitude signal and a first other magnitude signal from a first other channel receiver of the channelizing receiver produced in response to the first other channel receiver's detection of the electromagnetic signal during the initial timing period within a first other frequency range being monitored by the first other channel receiver, comparing the magnitude signal and the first other magnitude signal, and if the first other magnitude signal is greater the magnitude signal, inhibiting the transmission from the channel receiver of data responsive to the one detection signal, in combination with other limitations, as specified in the independent claims 1, and 22.

Regarding claims 33-48, the prior art fails to teach or suggest a channelizing receiver, the channelizing receiver includes a plurality of channel receivers, each channel receiver comprising a baseband combiner for combining the first digital signal and the second digital signal to provide a combined digital signal; and a channel processor for receiving the combined digital signal and transmitting data responsive to the detection of the electromagnetic signal if the magnitude of the combined digital signal exceeds a predetermined threshold, in combination with other limitations, as specified in the independent claim 33.

Regarding claims 49-54, the prior art fails to teach or suggest a method for detecting an electromagnetic signal falling within a frequency band, the method comprises the steps identifying within a predetermined time period a group of the channel processors producing the detection signals; comparing for the group the magnitude signals corresponding to the detection signals to identify the magnitude signal indicating the highest magnitude; and transmitting for the group from the channelizing receiver data corresponding to one of the detection signals only if the one detection signal is associated with the magnitude signal indicating the highest magnitude, in combination with other limitations, as specified in the independent claim 49.

Regarding claims 55-64, the prior art fails to teach or suggest a channelizing receiver, the channelizing receiver includes a plurality of channel receivers, each channel receiver comprising, comparing means for comparing the magnitude signal to a first other magnitude signal from a first other channel receiver of the channelizing receiver produced in response to the first other channel receiver's detection of the electromagnetic signal, and if the magnitude signal is less than the first other magnitude signal, inhibiting the transmitting means from transmitting the data, in combination with other limitations, as specified in the independent claim 55.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc Ho whose telephone number is (571) 272-3147. The examiner can normally be reached on Monday through Friday from 7:00 am to 3:30 pm.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner



Duc Ho

11-08-05